DESCRIPTION
AMC MODEL DVAT-0518-60-8-SK-193 IS A 0.5 TO 18 GHZ VARIABLE ATTENUATOR/MODULATOR WITH 8 BIT BINARY TTL CONTROL OR OPTIONAL ANALOG VOLTAGE CONTROL.

SPECIFICATIONS
- FREQUENCY RANGE: 0.5 TO 18 GHz
- INSERTION LOSS: 4.0 dB MAXIMUM
- ATTENUATION FLATNESS: @ 10 dB = ± 1.0 dB
  @ 20 dB = ± 1.5 dB
  @ 40 dB = ± 3.0 dB
  @ 60 dB = ± 5.0 dB
- ATTENUATION ACCURACY: 0–30 dB = ± 1.0 dB
  >30–50 dB = ± 1.3 dB
  >50–60 dB = ± 1.5 dB
- MONOTONICITY: GUARANTEED
- TEMPERATURE VARIATION: ± 2.5dB –10 to 85 deg C Typ
  ± 3.5dB –40 to 95 deg C Typ
- SWITCHING TIME: 5 micro sec MAXIMUM
- SMALL SIGNAL BANDWIDTH: 100 kHz Typ (6dB with ±3 dB sinewave)
- LARGE SIGNAL BANDWIDTH: 50 kHz Typ (30dB with ±30 dB sinewave)
- RETURN LOSS: –12 dB Typ –8.5 dB MAX
- POWER RATING: +20 dBm (see note 1)
- DIGITAL CONTROL: 8 BIT TTL
- ANALOG CONTROL option: 0–6V ANALOG VOLTAGE, 10dB/VOLT
- POWER SUPPLY: +12V @ 150 mA MAXIMUM
- CONNECTORS
- RF INPUT/OUTPUT: FIELD REPLACEABLE SMA (FEMALE)
- POWER AND CONTROLS: 15 PIN MICRO-D FEMALE
- MATING CONNECTOR (MALE) FURNISHED
- SIZE: 2.00” x 1.81” x 0.50”

OPTIONS:
- A05 +15V POWER SUPPLY

ENVIRONMENTAL RATINGS
- TEMPERATURE: –40°C TO +85°C (OPERATING)
  –65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATION ARE SUBJECT TO CHANGE OR REVISION.
* Units are designed to meet Environmental ratings but not tested. If Environmental Testing is required, please contact Sales Department.

NOTES
1. Low Frequency reduced power performance refer to test report.
2. Negative supply only for compatibility with previous models.
3. Negative supply may be –V, or Ground or Open Circuit.
4. SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE.
5. SPECIFICATIONS SUBJECT TO CHANGE OR REVISION.